

ARTICLE ____ AMEND ZONING BYLAW – Outdoor Lighting Regulations
(Two-thirds vote)

To see if the Town will vote to amend the Zoning Bylaw, Section 10.6 – Outdoor Lighting Regulations for Site Plan Special Permit as set forth herein:

1. Amend Subsection 10.6.2.2 – Control of LIGHT TRESSPASS and GLARE, by inserting new paragraphs g), h), and i):
 - g) Any installation of LED LUMINAIRES shall use LEDs with nominal color ratings of 4000K or lower. LEDs with color ratings higher than 4000K are not permitted. Whenever possible, LEDs with the lowest possible color rating are recommended. LUMINAIRES shall be shielded from LOTS that are in Residential and Conservation USE, and public roadways so that no direct observation of the LED source shall be visible on the adjacent lot, area or roadway.
 - h) Any replacement of formerly used Incandescent, Halogen, Metal Halide, Mercury Vapor, or High- or Low-Pressure Sodium LAMPS with new LED lighting shall require the submission of a certified lighting plan to the Zoning Enforcement Officer prior to installation. All such replacements shall comply with paragraph g above.
 - i) All sites that have already installed LUMINAIRES using LEDs that are greater than color temperature 4000K shall be required to conform paragraph g above within 5 years, or for any source replacement that needs to occur prior to 5 years. A certified lighting plan with the appropriate color temperature LEDs shall be submitted to the Zoning Enforcement Officer prior to installation.
2. Amend Subsection, 10.6.6 Definitions, by inserting the following:
 - LIGHT EMITTING DIODE (LED) - Any LUMINAIRE composed on an array of LEDs, typically a bank of 30, 60 or 90, used as a light source.
3. Amend Table 1. , by adding the following new lines:

Lamp Type	A – SHIELDED	B – FULLY SHEILDED
LED30 (<4000K)	-	70 W
LED60 (<4000K)	-	135 W
LED90 (<4000K)	-	205W

, or take any other action relative thereto.

SUMMARY

The existing zoning regulations concerning outdoor lighting do not specifically address the use of light-emitting diode (LED) lights. At the time of adoption, LED lights were not widely used; today,

they are the primary choice for outdoor lighting due to their energy efficiency and durability. This article seeks to update the Zoning Bylaw to address and better regulate the use of LED lighting.

Direct inquiries to: Roland Bartl, Planning Director: planning@acton-ma.gov / (978) 929-6631
Selectman assigned

Recommendations: **Board of Selectmen** **Finance Committee** **Planning Board**

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